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PTO/SB/01 (3-97)

Approved for use through 9/30/98 OMB 0651-0032

Patent and Trademark Office: US DEPARTMENT OF COMMERCE

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| | | |
|---|--------------------------|---|
| DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION | Attorney Docket Number | UWO3 |
| | First Named Inventor | Amarjeet Singh Bassi |
| | COMPLETE IF KNOWN | |
| | Application Number | |
| | Filing Date | |
| | Group Art Unit | |
| <input checked="" type="checkbox"/> Declaration Submitted with Initial Filing | OR | <input type="checkbox"/> Declaration Submitted After Initial Filing |
| | Examiner Name | |

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Continuous Ion Exchange using a Liquid-Solid Circulating Fluidized Bed

(Title of the Invention)

the specification of which

☒ is attached hereto

OR

☐ was filed on (MM/DD/YYYY) as United States Application No. or PCT International Application No.

and was amended on (MM/DD/YYYY) (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

| Prior Foreign Application Numbers | Country | Foreign Filing Date (MM/DD/YYYY) | Priority Not Claimed | Certified Copy Attached? | |
|--------------------------------------|---------|--|--------------------------|--------------------------|--------------------------|
| | | | | YES | NO |
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
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| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Additional foreign application nos. are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below:

| Application Number(s) | Filing Date (MM/DD/YYYY) | |
|-----------------------|--------------------------|---|
| | | Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto. |

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DECLARATION - Utility or Design Patent Application

I hereby claim the benefit under Title 35, United States Code §120 of any United States application(s), or §366© of any PCT International application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, code of Federal Regulations §1.58 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

| U.S. Parent Application Number | PCT Parent Number | Parent Filing Date (MM/DD/YYYY) | Parent Patent Number (if applicable) |
|--------------------------------|-------------------|---------------------------------|--------------------------------------|
| | | | |

☐ Additional US or PCT International application nos. are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

| <input type="checkbox"/> Customer Number | | Place Customer Number Bar Code Label Here |
|---|---------------------|---|
| OR | | |
| <input checked="" type="checkbox"/> Registered practitioner(s) name/registration no. listed below | | |
| Name | Registration Number | Name |
| C.A. Rowley | 20,781 | |
| Name | Registration Number | Name |
| | | |

☐ Additional registered practitioner(s) named on supplemental Registered Practitioner Info sheet PTO/SB/02C attached hereto.

Direct all correspondence to: ☐ Customer Number or Bar Code Label OR ☒ Correspondence address below

| | | | | | |
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor: ☐ A petition has been filed for this unsigned inventor

Given Name (first and middle [if any]) Family Name or Surname

Amarjeet Singh Bassi

Inventor's Signature *A Bassi* Date *Sept 26, 00*

Residence: City London Prov. Ontario Country Canada Citizenship Canadian

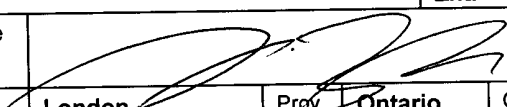
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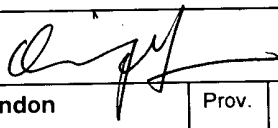
City London Prov. Ontario P.C. N6E 3M2 Country Canada

☐ Additional inventors are being named on the supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

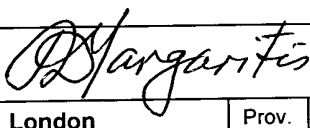
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| | | | |
|--|---|--|------------------------|
| Name of Second Inventor: | | A petition has been filed for this unsigned inventor | |
| Given Name (first and middle [if any]) | | Family Name or Surname | |
| Jingxu | | Zhu | |
| Inventor's Signature |  | | Date Sept. 26, 2000 |
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| Additional inventors are being named on the supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto. | | | |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| | | | |
|--|--|--|------------------------|
| Name of Third Inventor: | | A petition has been filed for this unsigned inventor | |
| Given Name (first and middle [if any]) | | Family Name or Surname | |
| Qing Dao | | Lan | |
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| Additional inventors are being named on the supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto. | | | |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| | | | |
|--|---|--|-----------------------|
| Name of Fourth Inventor: | | A petition has been filed for this unsigned inventor | |
| Given Name (first and middle [if any]) | | Family Name or Surname | |
| Argyrios | | Margaritis | |
| Inventor's Signature |  | | Date Sept. 26/2000 |
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| Additional inventors are being named on the supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto. | | | |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| | | | | | | | |
|--|------------------------|--|---------------|---------|---------|-------------|---------|
| Name of Fifth Inventor: | | A petition has been filed for this unsigned inventor | | | | | |
| Given Name (first and middle [if any]) | | Family Name or Surname | | | | | |
| Ying | | Zheng | | | | | |
| Inventor's Signature | <i>Ying Zheng</i> | | | | | Date | |
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| City | Fredericton | Prov. | NB | P.C. | E3B 4K6 | Country | Canada |
| Additional inventors are being named on the supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto. | | | | | | | |

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